U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	orm 1449A/PTO		o respond to a collection of information unless it contains a valid OMB control number. Complete if Known			
			Application Number			
INFOR	MATION DIS	CLOSURE	Filing Date			
STATEMENT BY APPLICANT			First Named Inventor	William Harvey Sproat		
OIAIL	WIENT DI A	LIOAN	Art Unit	- Johnson		
(U	lse as many sheets as ne	ecessary)	Examiner Name			
Sheet		of /	Attorney Docket Number			

			U. S. PATEN	T DOCUM	ENTS				
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant		
		Number-Kind Code ^{2 (7 known)}					Figures Appear		
		US-4780,867	10-25-198	8 Lin	d etal.	p.A.	of 9 Summar	4	
		US- 4 899 030	02-06-199	10 Min	azki etal	0.5	of 11 Symmax	<u>'</u>	
		US-51 104 027	04-14-19	12 Per	SSOM	P. I	of 1 Abstra	4	
		US 6 548 792	04-15-20		and	61	of 7 Abstra	67	
		US-6571593	06-03-20	xxx Ch	ing et 21	151	of 8 Abstral	. 7	
		US-			01			_	
		US-							
		US-							
		US-							
		US-							
		US-							
		US-							
		US- J							
		US-							
		US-							
		US-							
		US-							
		US-							
		<u> </u>	FOREIGN PATE	NT DOCL	IMENTS				
Examiner	Cite	Foreign Patent Docu		lication Date	Name of Patentee	or Pa	ges, Columns, Lines,	Π	
Initials*	No.1	Country Code ³ Number ⁴ Kind Code ⁵ (if	MM-	DD-YYYY	Applicant of Cited Document		here Relevant Passages	1	
				11-14-19% Bodine			or Relevant Figures Appear	Ħ	
		45 3702674		14-17%	Bodine	<i>P</i> .	p. 508 15 Discussion	⋡	
*********								╞	
	***************************************	. 13 00 00 0 00 00 00 00 00 00 00 00 00 00		************	727 00 00 22 7 28 00 02 23 00 00 00 00 22 00 23 00 23 00 2		ary 200 km 7 m m m m m m m m m m m m m m m m m	L	
0 7 2 20 10 21 10 22 10 22 1									
								Ī	
Examiner	1				Date				
Signature	1				Consid	ered			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO					Complete if Known		
		·			Application Number		
ı	INFO	RMATION DI	SCLO	SURE	Filing Date		
ı	STATEMENT BY APPLICANT			CANT	First Named Inventor	William Harvey Sproat	
					Art Unit	The state of the s	
		(Use as many sheets as	necessary))	Examiner Name		
7	Sheet	/	of	1	Attorney Docket Number		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T ²		
		T. Hueter and R. H. Bolt "Sonics: Techniques for the Use of Sound and Ultrasound in Engineering and Science" Yound and Ultrasound in Engineering and Science" Yound hiley and Soms New York NY (1955) W.M. Ewing, W.S. Vardetsky, and F. Press "Elastichaves in Layered Media", McGraw. Hin New York, NY (1957)			
		W.M. Ewing, W.S. Vardetsky, and F. Press'Elastichaves in layered Media; McGraw. Hin Newyork, NY (1980)	***********		
		L.G. Kinsler and A.R. Frey "Fundamentals of Acousties" John Wile, and sons, New York, NY (1962)			

Examiner Signature	-	Date Considered			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.